RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/538,820
Source: PCT
Date Processed by STIC: 03/01/2006

ENTERED

PCT

RAW SEQUENCE LISTING DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:51

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**

```
 3 <110> APPLICANT: COLLODI, Paul
 4       FAN, Lianchun
 6 <120> TITLE OF INVENTION: METHODS AND VECTORS FOR MAKING KNOCKOUT ANIMALS
 8 <130> FILE REFERENCE: 290.0059 0101
10 <140> CURRENT APPLICATION NUMBER: US 10/538,820
11 <141> CURRENT FILING DATE: 2005-06-13
13 <150> PRIOR APPLICATION NUMBER: PCT/US 03/39516
14 <151> PRIOR FILING DATE: 2003-12-12
16 <160> NUMBER OF SEQ ID NOS: 26
18 <170> SOFTWARE: PatentIn version 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 21
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial
25 <220> FEATURE:
26 <223> OTHER INFORMATION: primer
28 <400> SEQUENCE: 1
29 accctgaagt tcatctgcac c                                              21
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 20
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial
37 <220> FEATURE:
38 <223> OTHER INFORMATION: primer
40 <400> SEQUENCE: 2
41 gtgctcaggt agtggttgtc                                                20
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: primer
52 <400> SEQUENCE: 3
53 gatctgctgg aggcttttct                                                20
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 20
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial
61 <220> FEATURE:
62 <223> OTHER INFORMATION: primer
64 <400> SEQUENCE: 4
65 gtccaaaaac atggtctcct                                                20
68 <210> SEQ ID NO: 5
```

RAW SEQUENCE LISTING DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:51

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**

69 <211> LENGTH: 29
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial
73 <220> FEATURE:
74 <223> OTHER INFORMATION: primer
76 <400> SEQUENCE: 5
77 ccaatgcata tgccaggtct tttcagaat 29
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 29
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <223> OTHER INFORMATION: primer
88 <400> SEQUENCE: 6
89 ccgctcgagt ttttttacag tgaacttgc 29
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 29
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: primer
100 <400> SEQUENCE: 7
101 cccaagctta acaagattat tttgctctc 29
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 29
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial
109 <220> FEATURE:
110 <223> OTHER INFORMATION: primer
112 <400> SEQUENCE: 8
113 cggggtacct tatattttta cactcttcc 29
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: primer
124 <400> SEQUENCE: 9
125 gatctgctgg aggcttttct 20
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: primer
136 <400> SEQUENCE: 10
137 tgtccatctg cacgagacta 20
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 17

RAW SEQUENCE LISTING DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:51

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**

142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial
145 <220> FEATURE:
146 <223> OTHER INFORMATION: primer
148 <400> SEQUENCE: 11
149 agcagcgacc acaaaca 17
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 19
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: primer
160 <400> SEQUENCE: 12
161 ctcccctacc cggtagaat 19
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 20
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <223> OTHER INFORMATION: primer
172 <400> SEQUENCE: 13
173 gttgatttgg ccatcagaga 20
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 20
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: primer
184 <400> SEQUENCE: 14
185 gtccaaaaac atggtctcct 20
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 20
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: primer
196 <400> SEQUENCE: 15
197 ctcagtattg ttttgccaag 20
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: primer
208 <400> SEQUENCE: 16
209 ggtctcctat ggaacaaaat 20
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 21
214 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:51

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**

215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: primer
220 <400> SEQUENCE: 17
221 tcgccacagc agtgaaatag g 21
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 15
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial
229 <220> FEATURE:
230 <223> OTHER INFORMATION: primer
232 <400> SEQUENCE: 18
233 ttctgaaatt cgctc 15
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 22
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: primer
244 <400> SEQUENCE: 19
245 cagtattcaa ccgcgccata gc 22
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 22
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial
253 <220> FEATURE:
254 <223> OTHER INFORMATION: primer
256 <400> SEQUENCE: 20
257 ctggtcggga cttgaggcag ac 22
260 <210> SEQ ID NO: 21
261 <211> LENGTH: 22
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: primer
268 <400> SEQUENCE: 21
269 gtctgcctca agtcccgacc ag 22
272 <210> SEQ ID NO: 22
273 <211> LENGTH: 22
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial
277 <220> FEATURE:
278 <223> OTHER INFORMATION: primer
280 <400> SEQUENCE: 22
281 ctctatagga cgaatagcag ac 22
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 22
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:51

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**

289 <220> FEATURE:
290 <223> OTHER INFORMATION: primer
292 <400> SEQUENCE: 23
293 gagcgaattt cagaagggca gc 22
296 <210> SEQ ID NO: 24
297 <211> LENGTH: 22
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: primer
304 <400> SEQUENCE: 24
305 tgtgatacaa tgaaaccgga cg 22
308 <210> SEQ ID NO: 25
309 <211> LENGTH: 21
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial
313 <220> FEATURE:
314 <223> OTHER INFORMATION: primer
316 <400> SEQUENCE: 25
317 ttaaacacaa gcgcatcact c 21
320 <210> SEQ ID NO: 26
321 <211> LENGTH: 21
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial
325 <220> FEATURE:
326 <223> OTHER INFORMATION: primer
328 <400> SEQUENCE: 26
329 aaagctagac gctttccctt c 21

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:52

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26

VERIFICATION SUMMARY DATE: 03/01/2006
PATENT APPLICATION: **US/10/538,820** TIME: 13:56:52

Input Set : **A:\060104.Seq.List.ST25.txt**
Output Set: **N:\CRF4\03012006\J538820.raw**